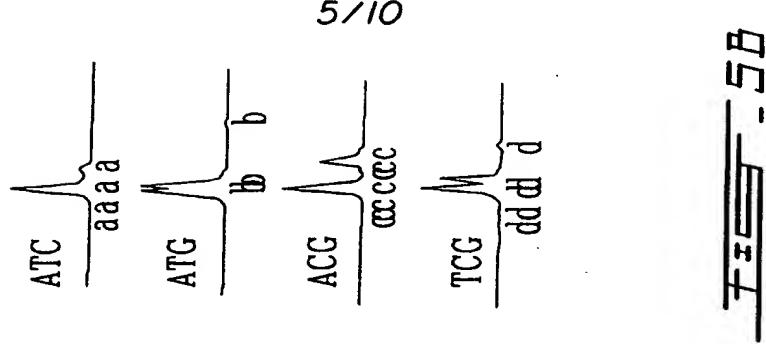


dNTPS Expected base extension

ATC	<u>Primer → T</u>	CAXX	3
ATG	<u>Primer → T</u>	X-XX	1
ACG	<u>Primer → X-X</u>		0
TCG	<u>Primer → T</u>	CX--X	2
WT		A GTCCACATCCT-----	(SEQ ID NO: 16)
ATC	<u>Primer → X</u>	X	0
ATG	<u>Primer → G</u>	XX	1
ACG	<u>Primer → G</u>	CAGGX-X	5
TCG	<u>Primer → G</u>	CX--X	2
MU		C GTCCACATCCT-----	(SEQ ID NO: 17)



5A

5B

PRIMER-SPECIFIC AND MISMATCH EXTENSION
ASSAY FOR IDENTIFYING GENE VARIATION

Yu-Wen Hu
Serial No. 09/782,361
Filed February 13, 2001

3' **XTCATACTAXTCATGAGTATCTTAGACACCTGTATTTCG** 5' L63 + PRIMER (1) (SEQ ID NO:18)
5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63L (G)-R (SEQ ID NO:19)

X

3' GAGTATCTTAGACACCTGTATTTCG 5' L63P + PRIMER (2) (SEQ ID NO:20)
5' AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3' PRO63L (G)-R (SEQ ID NO:21)

6//O

3' **XTCATACTAXTCATGGGTATCTTAGACACCTGTATTTCG** 5' L63P + PRIMER (3) (SEQ ID NO:22)
5' AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3' PRO63P (G)-R (SEQ ID NO:21)

X

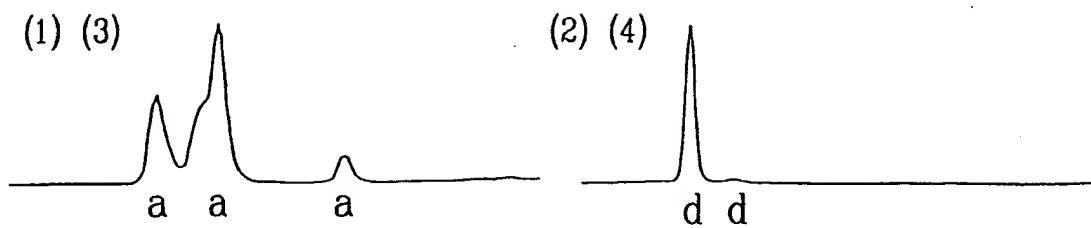
3' GGGTATCTTAGACACCTGTATTTCG 5' L63 + PRIMER (4) (SEQ ID NO:23)
5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63P (G)-R (SEQ ID NO:19)

TA
TC
TC
TA

PRIMER-SPECIFIC AND MISPAIR EXTENSION
ASSAY FOR IDENTIFYING GENE VARIATION

Yu-Wen Hu
Serial No. 09/782,361
Filed February 13, 2001

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PRIMER-SPECIFIC AND MISMATCH EXTENSION
ASSAY FOR IDENTIFYING GENE VARIATION

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3' **XXAGACTTCTGAGTCTAACCAACGTGAAATTAA** 5' PRO90L-R (1) (SEQ ID NO:24)
5' --AATCTGAAGACTCAGATTGGTTGCACTTAAAT---3' L90 (SEQ ID NO:25)

X

3' TTCTGAGTCTAACCAACGTGAAATTAA 5' PRO90L-R (2) (SEQ ID NO:26)
5' --AATCTGATGACTCAGATTGGTTGCACTTAAAT---3' L90M (SEQ ID NO:27)

5' CTGTCAACATAATTGGAAAGAAATCTGAT**GACCCAGA**XX 3' PRO90M-F (3) (SEQ ID NO:28)
3' --GACAGTTGTATTAAACCTTCTTGTCTAA---5' L90M (SEQ ID NO:29) ⁸/₁₀

X

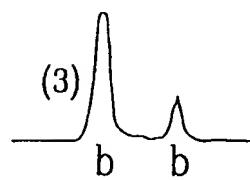
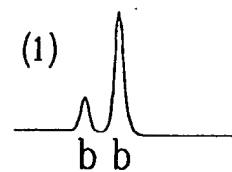
5' CTGTCAACATAATTGGAAAGAAATCTGAT 3' PRO90M-F (4) (SEQ ID NO:30)
3' --GACAGTTGTATTAAACCTTCTTGTCTAA---5' L90 (SEQ ID NO:31)

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-7A.

PRIMER-SPECIFIC AND MISPAIR EXTENSION
ASSAY FOR IDENTIFYING GENE VARIATION

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